FIG. 1

```
<CATname="ccs"
        <CAT name="arts"
                <cat name="music"
                        <cat name="concerts"
                                <STR field="performer,
                                <IMPurl="rf//www.ticketmaster.co
                                <IMPurl="rf//www.concerts.com
                        </CAT
                </CAT
        </CAT
        <CAT
        </CAT
        <CAT name="recreation"
        </CAT
        <CAT              ping"
                <CAT name="entertainment"
                        <CAT name="recordings"
                                <SYN word="CD" list="compact
                                <STR field="artist, album,
                                <IMPurl="rf//www.cdnow.com
                                <IMPurl="rf//www.amazon.com
                                <IMPurl="rf//www.half.com"
                        </CAT
                </CAT
        </CAT
</CAT
```

FIG

FIG. 2

```
<!-- Copyright (C) 2000 WebUnwired www.WebUnwired.com -->
<!-- CCS.dtd -->

<!-- The Category tag can contain RFI structure definitions, Synonym -->
<!-- tables and URLs pointing to content providers implementing this -->
<!-- category.  Each category must list a name and an ID field. -->
<!ELEMENT CAT ((STR?), (CAT, SYN, IMP)*)>
<!ATTLIST CAT name CDATA #REQUIRED id CDATA #REQUIRED>

<!-- The STR tag defines the relational schema for a category.  The -->
<!-- only supported data type is string and the field names are to -->
<!-- be listed as a comma separated list. -->
<!ELEMENT STR>
<!ATTLIST STR field CDATA #REQUIRED>

<!-- The IMP tag specifies the URL of the content provider that  -->
<!-- implements this category.  A category may list more than one -->
<!-- content sources as implementers of this category. -->
<!ELEMENT IMP>
<!ATTLIST IMP url CDATA #REQUIRED>

<!-- If a category contains a SYN tag, then an RFI query executed -->
<!-- against this category that uses the 'like' clause will use -->
<!-- synonyms listed here for it's matching algorithm. -->
<!ELEMENT SYN>
<!ATTLIST SYN word CDATA #REQUIRED list CDATA #REQUIRED>
```

FIG 2

Exhibit 1003, p. 0005

```
<?xml version='1.0' encoding='us-ascii'?>
<!-- Copyright (C) 2000 WebUnwired www.WebUnwired.com -->
<!-- RESULTS.dtd -->

<!-- Top level tag... all results are contained with in a RESULTS tag. -->
<!-- A results tag can contain 0 or many SET tags, which actually contain -->
<!-- the results. -->
<!ELEMENT RESULTS (SET)*)>
<!ATTLIST RESULTS query CDATA #REQUIRED>

<!-- The SET tag actually encapsulates the results. It must contain the -->
<!-- schema for the category for which the results are valid, identify -->
<!-- the schema itself, contain a unique set number, and finally 0 or 1 -->
<!-- results tag which points to the URL of the resulting content page. -->
<!ELEMENT SET (FIELD*, RESULT?)>
<!ATTLIST STR cat CDATA #REQUIRED id CDATA #REQUIRED>

<!-- The field tag identifies a field in the schema corresponding to the -->
<!-- category against which the query was executed.  It must identify -->
<!-- a value for the field or nothing if the field is not implemented. -->
<!-- Typically there will be more than one field per category. -->
<!ELEMENT FIELD (#PCDATA)>
<!ATTLIST FIELD name CDATA #REQUIRED>

<!-- If the results tag is included with in a results set, then it -->
<!-- identifies a URL pointing to a content page where the results -->
<!-- this resulting row of the query is available. -->
<!ELEMENT RESULT>
<!ATTLIST RESULT url CDATA #REQUIRED>
```

FIG 3

```
<RESULTS query="select * from ticketmaster.com:arts.music.concerts where artist='x'>
        <SET cat="1" id="1">
                <FIELD name="artist">X</FIELD>
                <FIELD name="location">San Jose</FIELD>
                <RESULT url="http://www.ticketmaster.com/aaabbbccc"/>
        </SET>
        <SET cat="1" id="2">
                <FIELD name="artist">X</FIELD>
                <FIELD name="location">New York</FIELD>
                <RESULT url="http://www.ticketmaster.com/111222333"/>
        </SET>
</RESULTS>
```

FIG 4

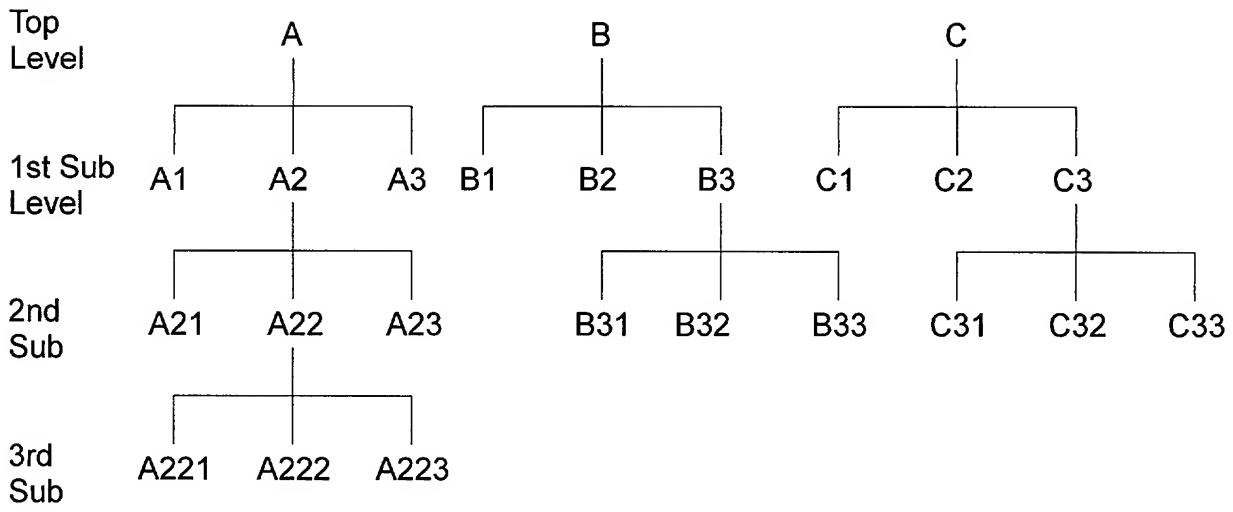
Top Level
A
B
C
1st Sub Level
A1
A2
A3
B1
B2
B3
C1
C2
C3
2nd Sub
A21
A22
A23
B31
B32
B33
C31
C32
C33
3rd Sub
A221
A222
A223

FIG. 5

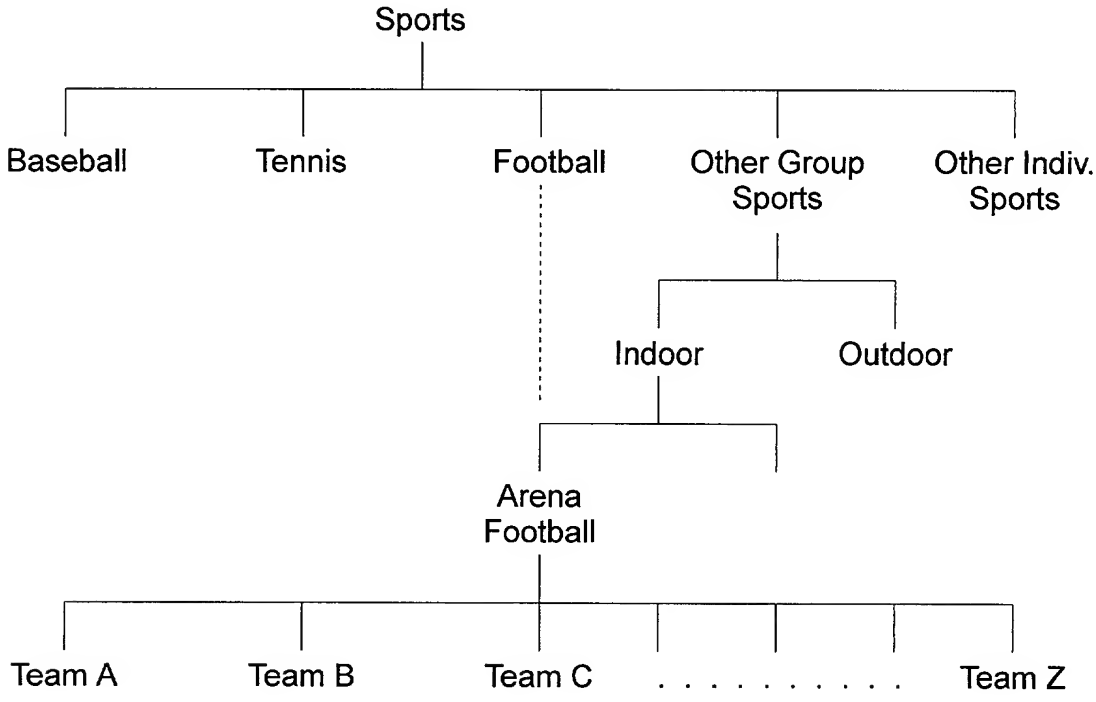
Sports
Baseball
Tennis
Football
Other Group Sports
Other Indiv. Sports
Indoor
Outdoor
Arena Football
Team A
Team B
Team C
. . . . . .
Team Z

FIG. 6

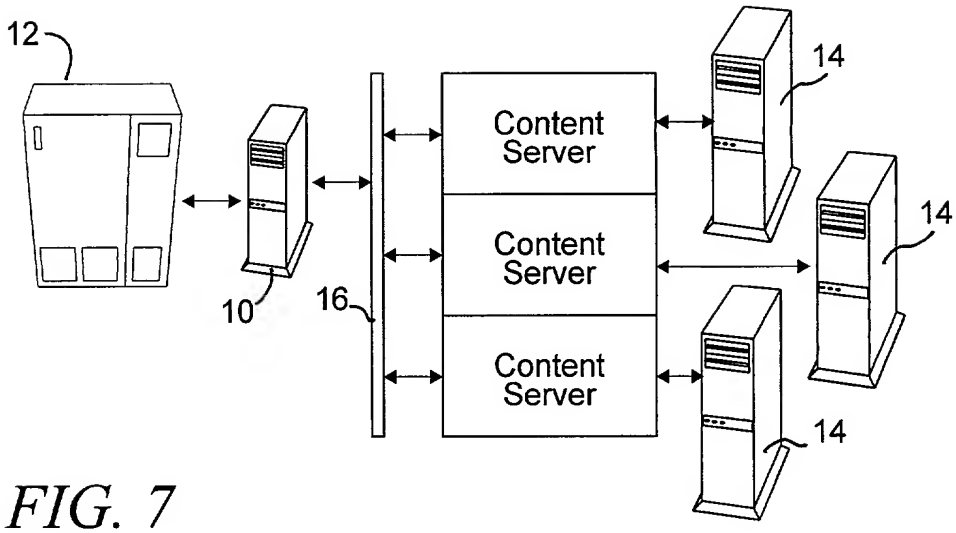

FIG. 7

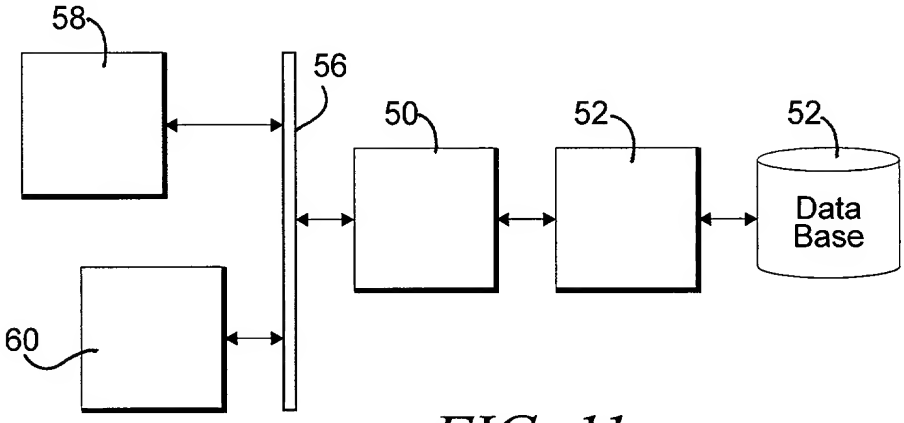

FIG. 11

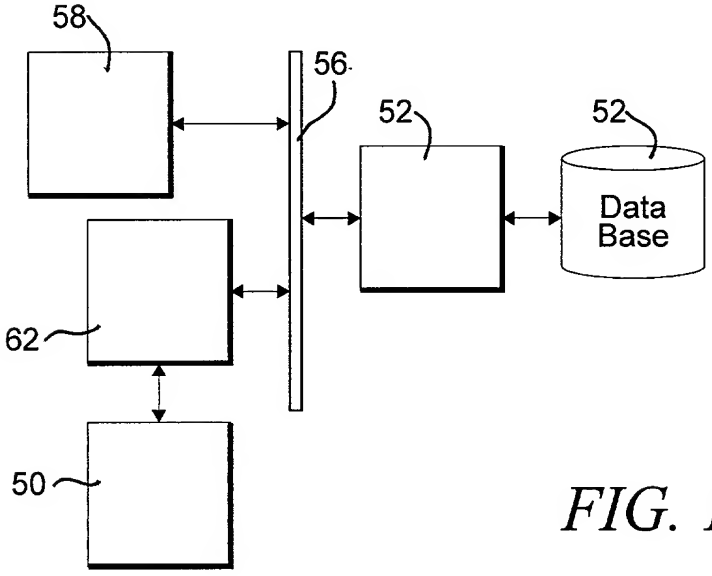

FIG. 12

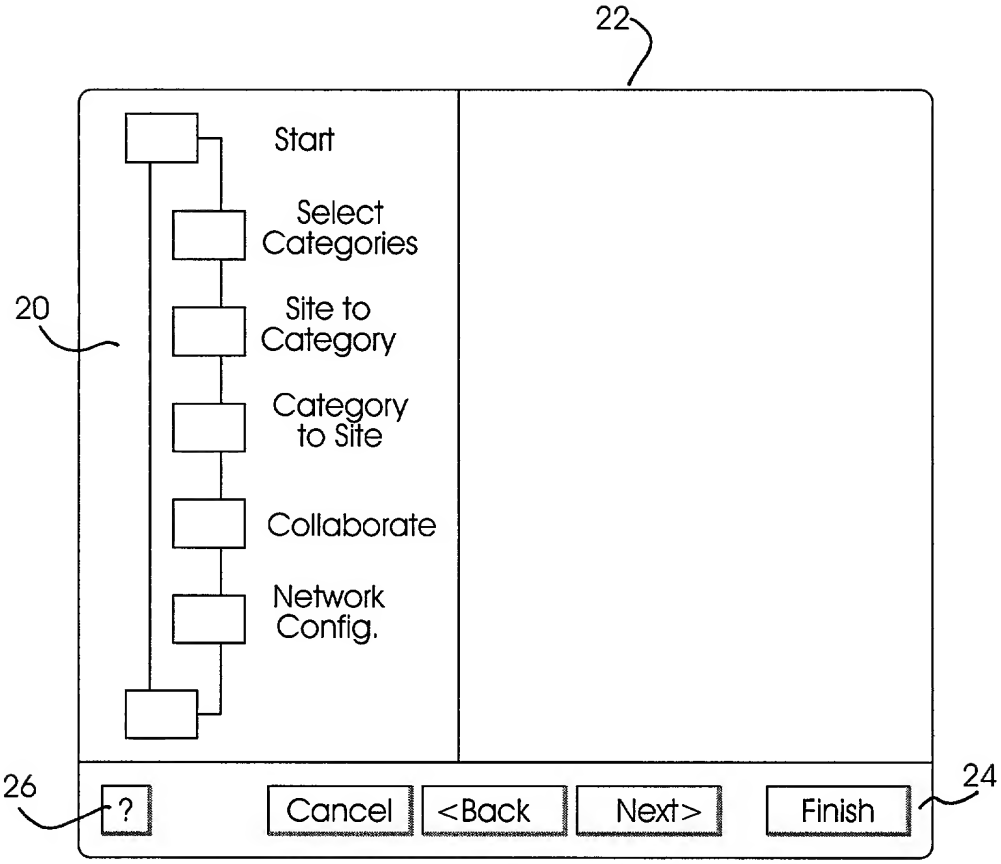
22
Start
Select Categories
20
Site to Category
Category to Site
Collaborate
Network Config.
26
?
Cancel
<Back
Next>
Finish
24

FIG. 8

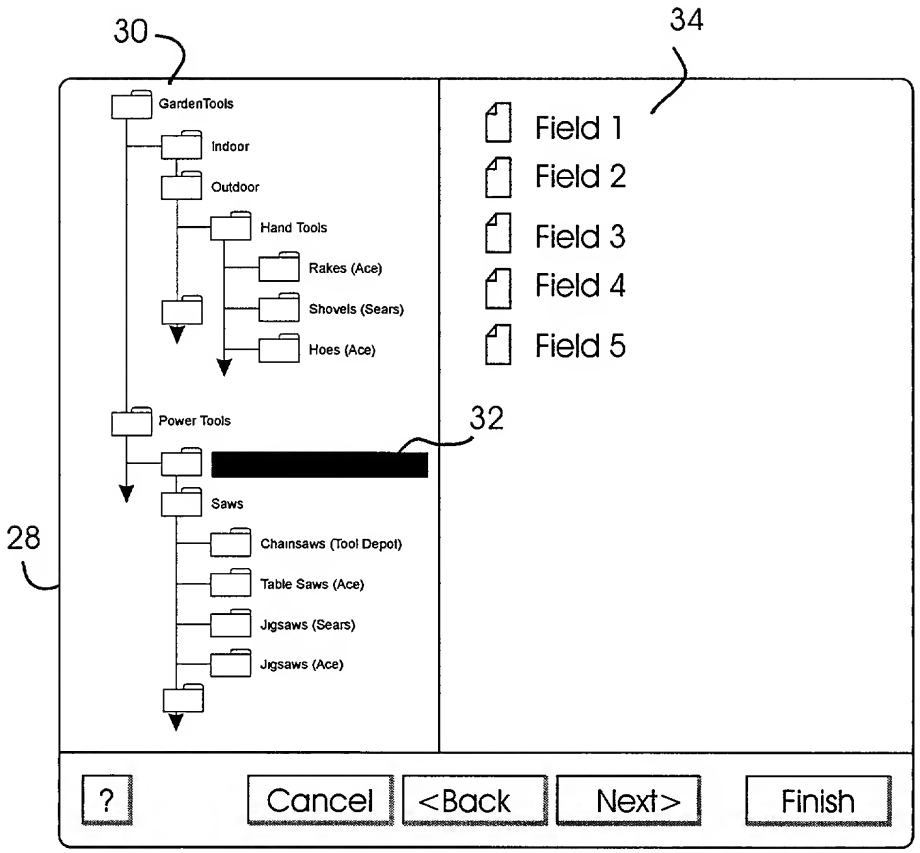
30
34
GardenTools
Indoor
Outdoor
Hand Tools
Rakes (Ace)
Shovels (Sears)
Hoes (Ace)
Power Tools
32
Saws
Chainsaws (Tool Depot)
Table Saws (Ace)
Jigsaws (Sears)
Jigsaws (Ace)
28
Field 1
Field 2
Field 3
Field 4
Field 5
?
Cancel
<Back
Next>
Finish

FIG. 9

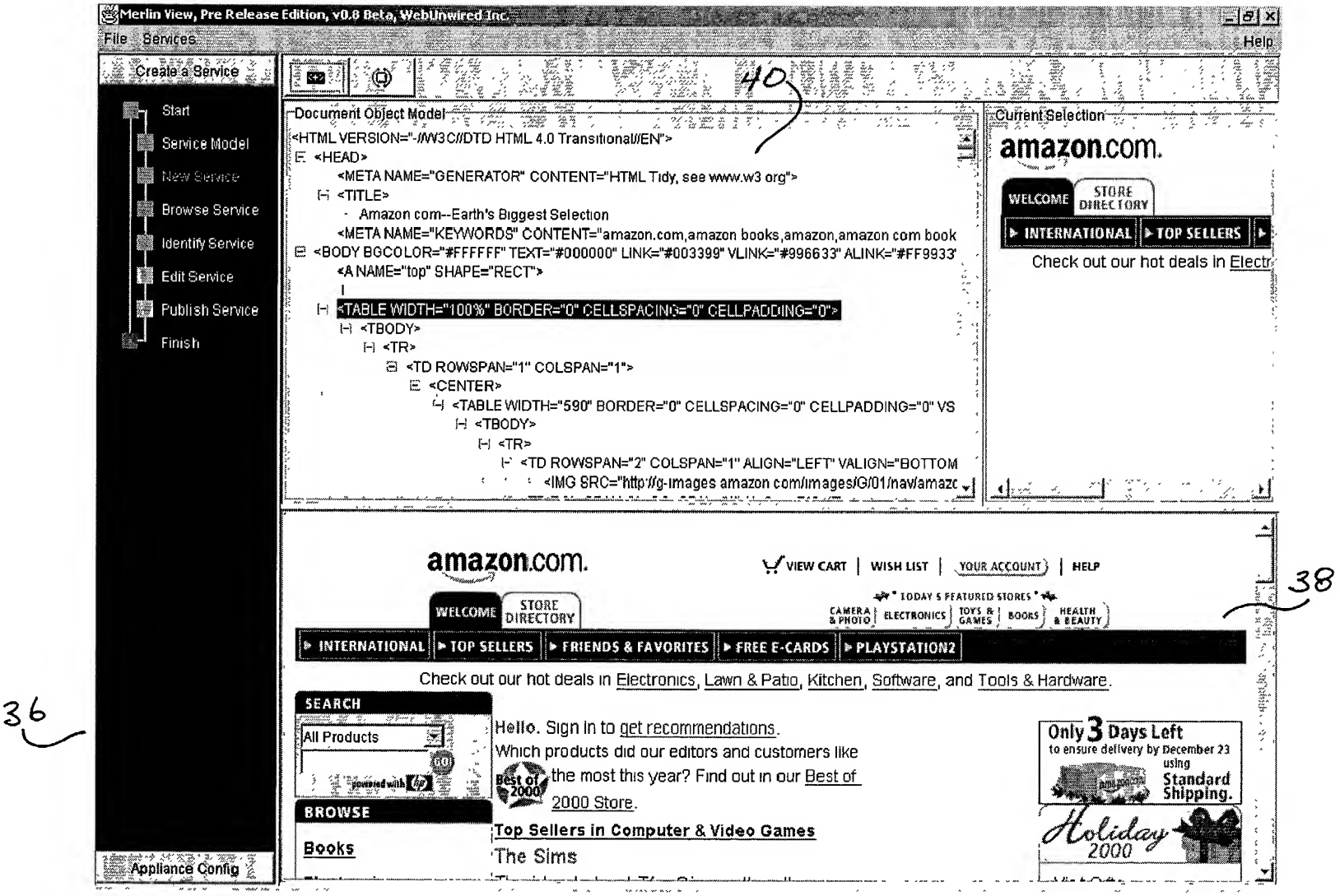
Merlin View, Pre Release Edition, v0.8 Beta, WebUnwired Inc.
File Services
Help
Create a Service
Start
Service Model
New Service
Browse Service
Identify Service
Edit Service
Publish Service
Finish
Appliance Config
40
Document Object Model
<HTML VERSION="-//W3C//DTD HTML 4.0 Transitional//EN">
<HEAD>
<META NAME="GENERATOR" CONTENT="HTML Tidy, see www.w3.org">
<TITLE>
Amazon.com--Earth's Biggest Selection
<META NAME="KEYWORDS" CONTENT="amazon.com,amazon books,amazon,amazon.com book
<BODY BGCOLOR="#FFFFFF" TEXT="#000000" LINK="#003399" VLINK="#996633" ALINK="#FF9933"
<A NAME="top" SHAPE="RECT">
<TABLE WIDTH="100%" BORDER="0" CELLSPACING="0" CELLPADDING="0">
<TBODY>
<TR>
<TD ROWSPAN="1" COLSPAN="1">
<CENTER>
<TABLE WIDTH="590" BORDER="0" CELLSPACING="0" CELLPADDING="0" VS
<TBODY>
<TR>
<TD ROWSPAN="2" COLSPAN="1" ALIGN="LEFT" VALIGN="BOTTOM
<IMG SRC="http://g-images.amazon.com/images/G/01/nav/amazc
Current Selection
amazon.com.
WELCOME
STORE DIRECTORY
INTERNATIONAL
TOP SELLERS
Check out our hot deals in Electr
amazon.com.
VIEW CART | WISH LIST | YOUR ACCOUNT | HELP
TODAY'S FEATURED STORES
CAMERA & PHOTO
ELECTRONICS
TOYS & GAMES
BOOKS
HEALTH & BEAUTY
WELCOME
STORE DIRECTORY
INTERNATIONAL
TOP SELLERS
FRIENDS & FAVORITES
FREE E-CARDS
PLAYSTATION2
Check out our hot deals in Electronics, Lawn & Patio, Kitchen, Software, and Tools & Hardware.
SEARCH
All Products
GO
powered with
BROWSE
Books
Hello. Sign in to get recommendations.
Which products did our editors and customers like the most this year? Find out in our Best of 2000 Store.
Best of 2000
Top Sellers in Computer & Video Games
The Sims
Only 3 Days Left
to ensure delivery by December 23 using Standard Shipping.
Holiday 2000
36
38

FIG. 10

TD5027 "6899T00T

HTTP Request From Client

Content Recognition	Content Mapping	Content Fusion
Pre-process HTTP request and forward to content server Convert content to DOM Classify content using XML recognition rules	Issue request for related content Content mapping algorithms locate related content at collaborating sites	Integrate related content with primary content Format converted content to desired output format (HTML, WML, XML, PDF, tec.)

Collaborated Content to User

FIG. 13